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# C2 System Synchronization Management



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13 November 2001



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## **COE Configuration and Review Board Action Item from July 25, 2001 meeting:**

- Describe various groups working to coordinate technical and programmatic issues across Service and Joint systems; and**
- Recommend roles, responsibilities, and mechanisms for the groups to work together.**
- Clarify expectations for each group; and focus groups on the objectives of:**
  - interoperability over the network; and**
  - absolute portability of application segments.**
- Ensure that the right people participate in the COE Systems Engineering Working Group.**

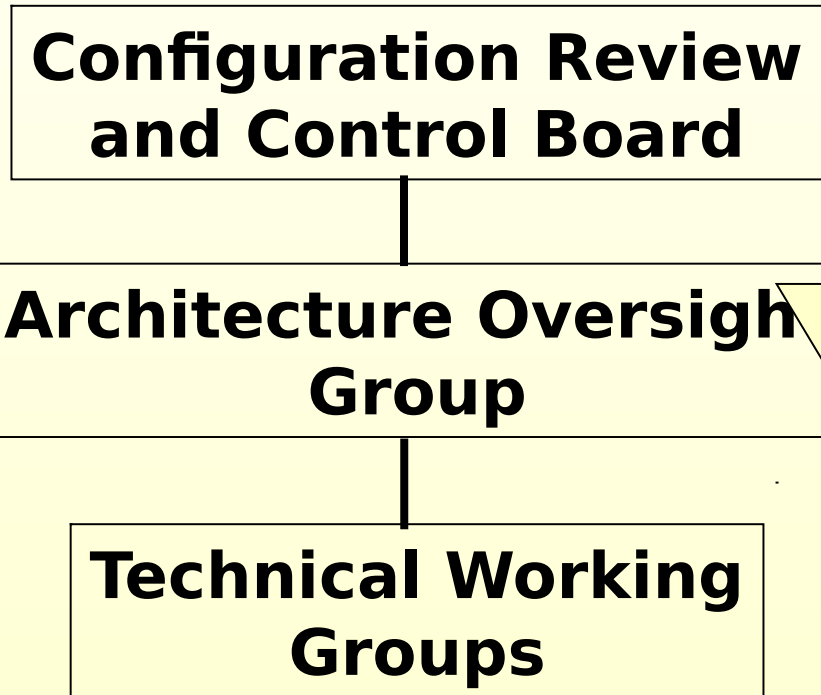
# Problem Description

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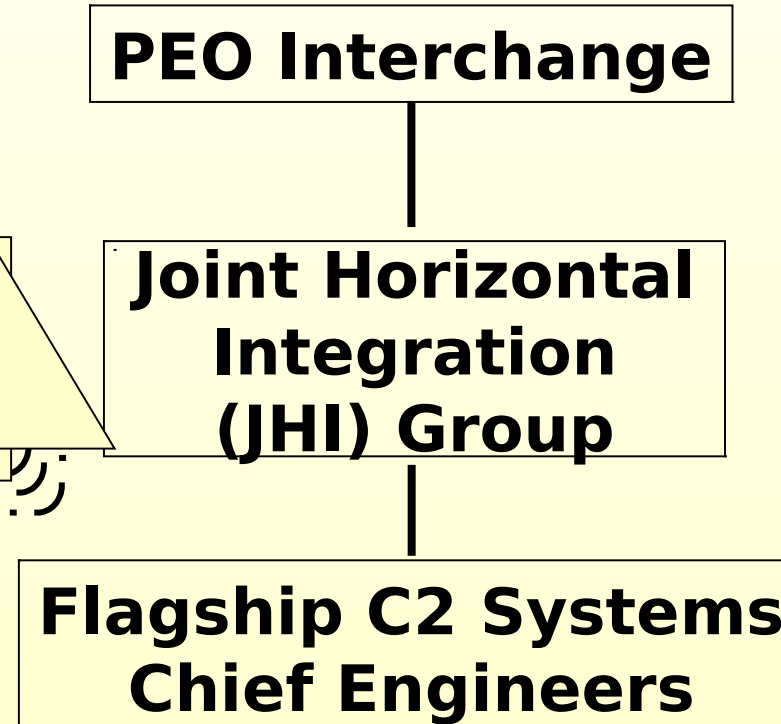
- **COE Objectives**
  - Interoperability over the network
  - Absolute portability of application segments
- **For this, C2 system developers must agree on detailed technical and programmatic outcomes -- e.g.,**
  - use same version of COE by specific date
  - support single or multiple symbology sets

# Current Situation

## COE Development



## System Sync

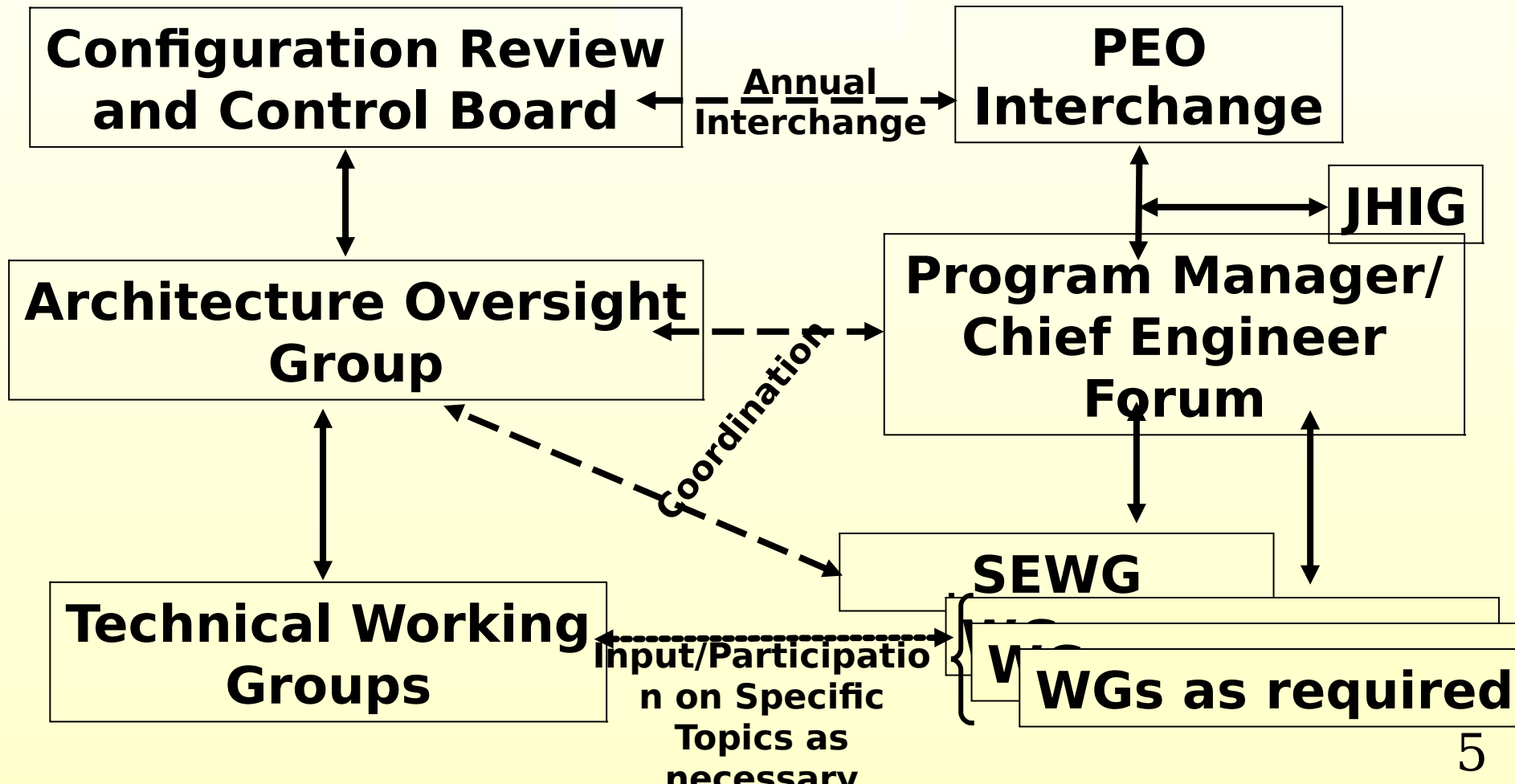


Systems Engineering Working Group

# Recommended Structure and Relationships

## COE

## PEOs



# Relationships

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- **Annual PEO/CRCB coordination meeting**
  - First one in conjunction with April 2002 CRCB
- **PMs/CEs coordinate COE issues with Service AOG reps**
- **PM/CE Forum assigns specific actions to a working group**
  - SEWG (also provides feedback to AOG)
  - Ad hoc working group
  - May engage TWGs if appropriate and assign program participation

# Next Steps

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**C2 Flagship Chief Engineers should take the lead on refining the System Sync management structure**

- Coordinate with PEOs, JHIG, SEWG, COE**
- COE will coordinate within its management structure**

**Backup  
s**



# Current Situation (detail)

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- **COE Development**
  - Established management structure
- **(COE) Systems Engineering Working Group**
  - Tactical, engineering/technical organization
- **Program Executive Officer Interchange (PEO-I)**
  - AF PEO C2 & CS, Army PEO C3S, SPAWAR CE, CMDR MARCORSYSCOM, DISA D6
  - Look for synergies among programs for interoperability
- **Joint Horizontal Integration/Joint PEO-I (JHI/JPI) Group**
  - “Deputy PEOs”
  - Coordinate and implement PEO interchange taskings
- **Flagship C2 systems chief engineers**
  - Engineering and programmatic leads working on synchronization issues (first meeting 16 Aug)

# Recommended General Management Structure

## COE Development

**Configuration Review  
and Control Board**



**Architecture Oversight  
Group**



**Technical Working  
Groups**

**Unchanged**

## System Sync

**Service-Level  
Executives**



**System-Level  
Decision Makers**



**Program-Level  
Technical Action Officers**

**Focus shifts to system-  
level decision makers**

# **Recommendation: Service-Level Executives**

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- **Membership - PEO Interchange**
  - Acquisition Executives for “flagship” Service and Joint C4I systems using COE 4.x
  - Initially: GCCS and Service variants, TBMCS, ABCS, MSBL
- **Charter**

Improved joint interoperability and decreased time/cost to market
- **Frequency: Semi-annually**

# **Recommendation: System-Level Decision Makers**

- **Membership - PM/CE Forum**

**Flagship C2 Program decision makers**

- **Government program decision authority (e.g., Program Manager); and**
- **Government engineering lead (e.g., Chief Engineer or Technical Director)**

- **Charter**

**Implement solutions that maximize cross-system network interoperability and portability in a COE 4.x environment**

- **Frequency: Quarterly**

# **Recommendation: Program-Level Action Officers**

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- **Addressing specific actions**
  - SEWG
  - Ad hoc working groups
  - Potential referral to TWGs
- **Membership**

Technical action officers as assigned by the system-level decision makers
- **Charter**

Technical coordination among systems and the COE; recommend courses of action
- **Frequency - as required for action**

# Group Foci

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- **SEWG: COE level component issues**
- **CE/PM: interoperability, compatibility and portability/commonality of "mission application" oriented components**
- **Flagship Programs: GCCS, GCCS-A, GCCS-M, TBMCS, ABCS, MSBL**